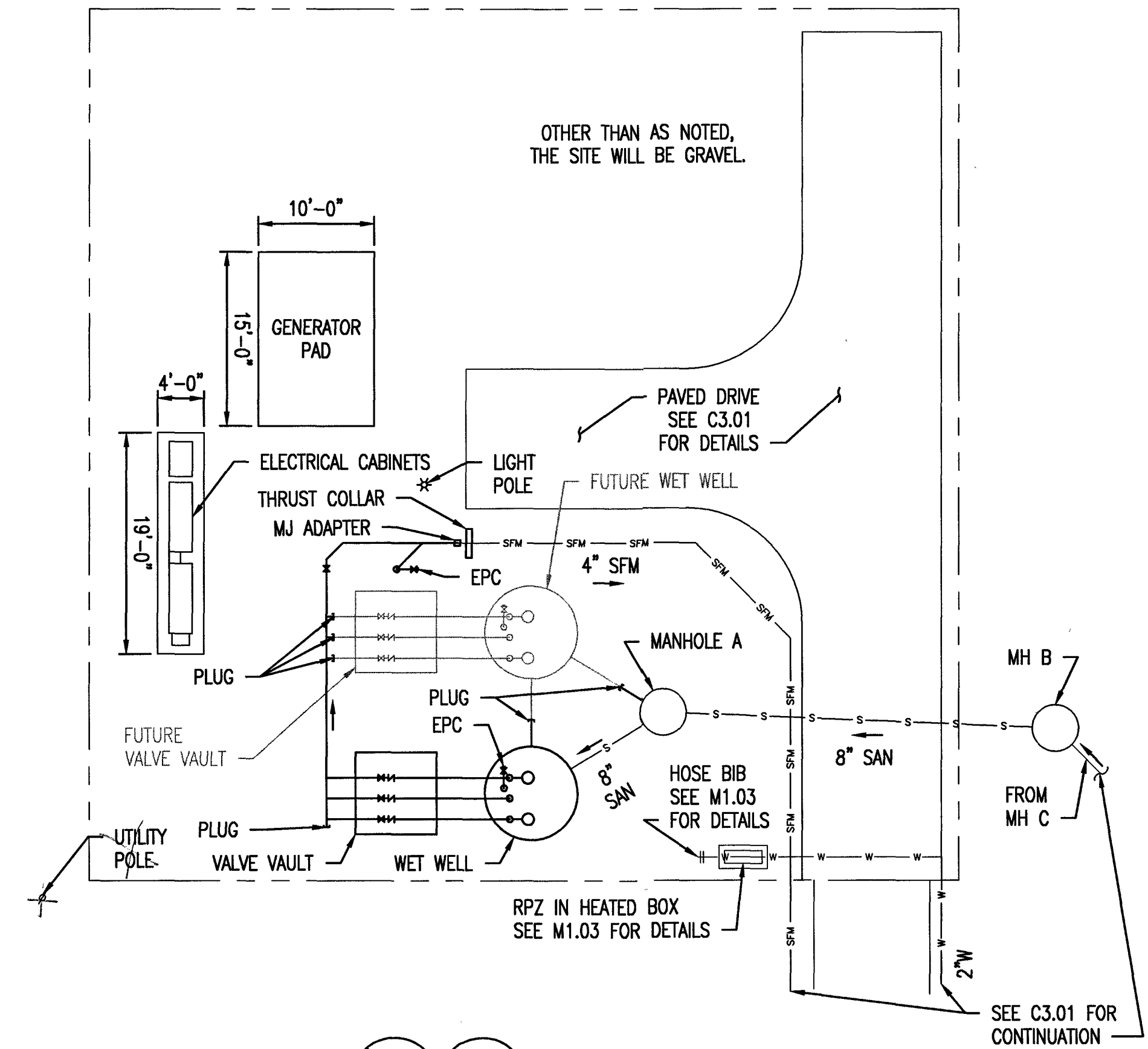
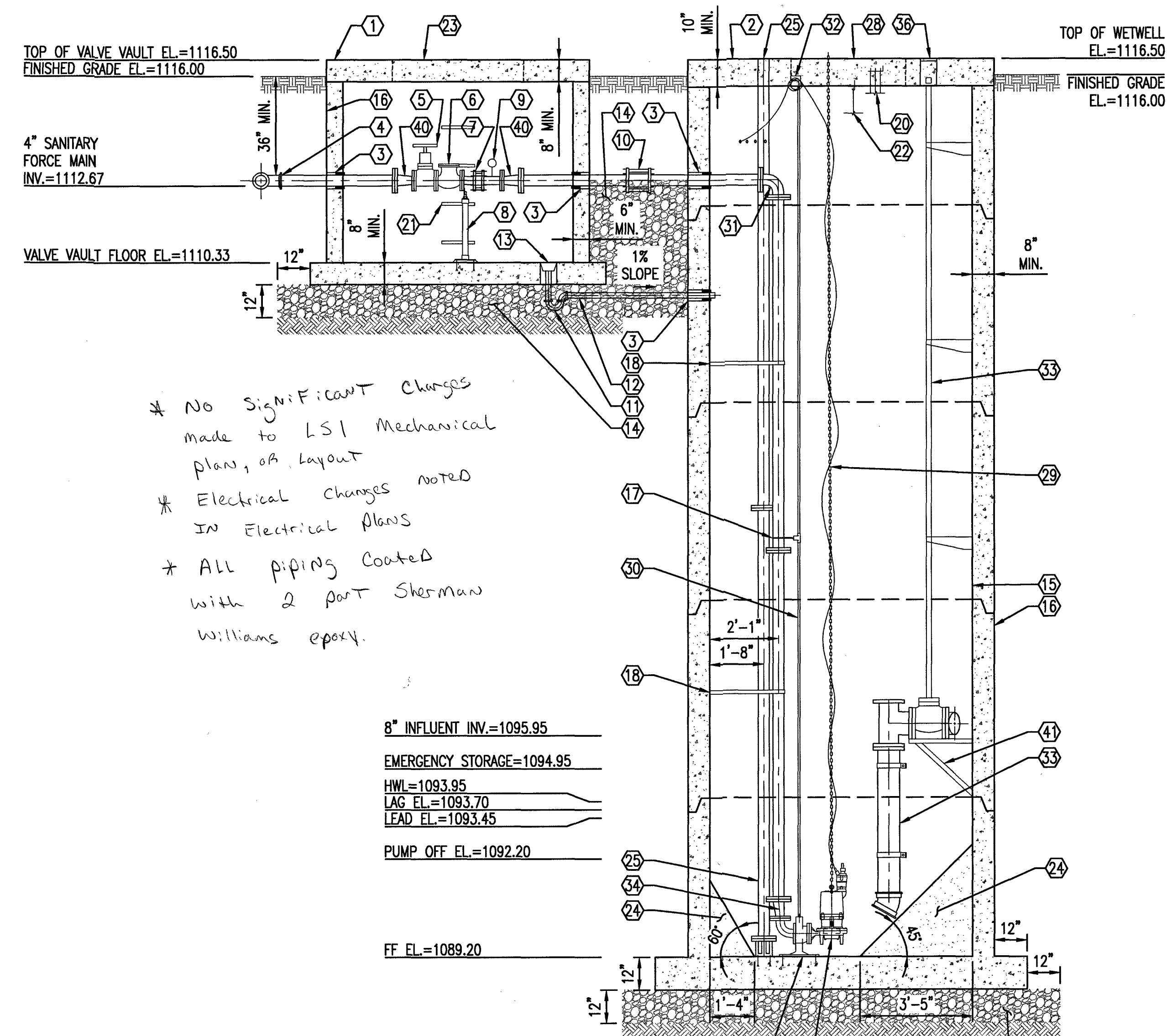


KEYNOTES:

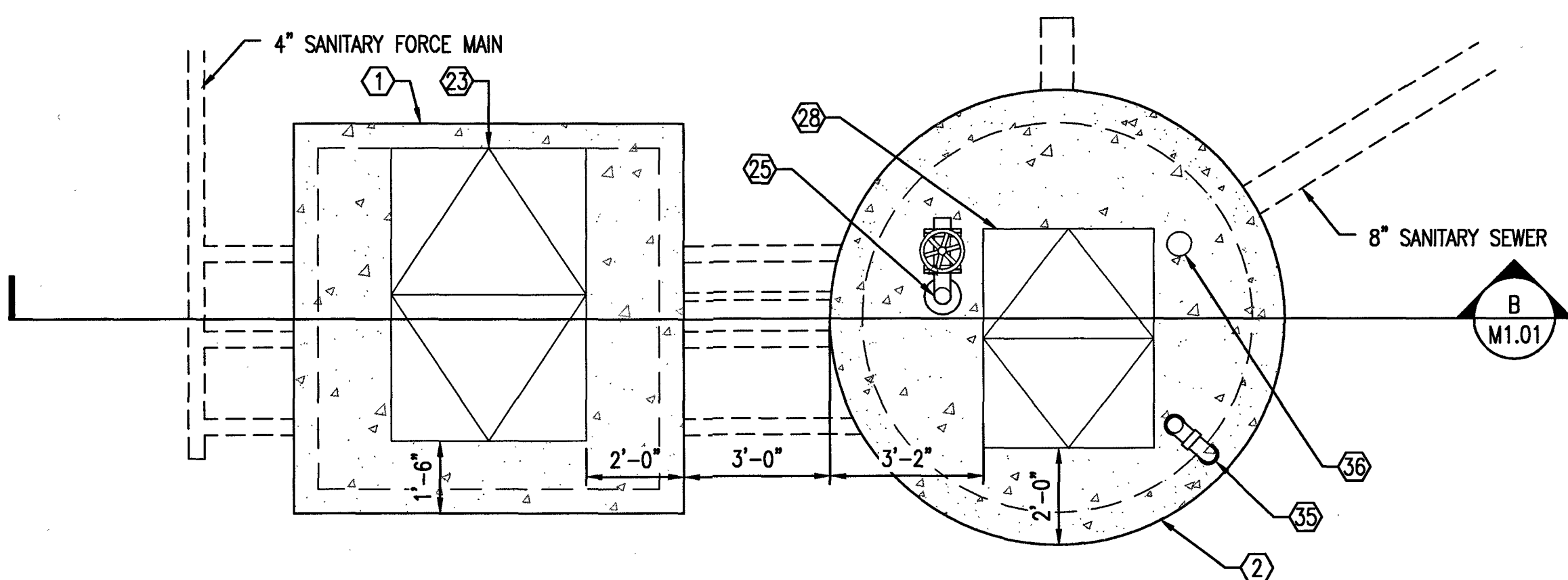
- ① 7'x7' ASTM C478 PRECAST CONCRETE VALVE VAULT
- ② 8'x8' ASTM C478 PRECAST CONCRETE WET WELL
- ③ WALL PENETRATION - SEE DETAIL ON M1.03
- ④ 4"x4" DI MJ TEE (TYP OF 3)
- ⑤ 3" FLG DI GATE VALVE (TYP OF 3)
- ⑥ 3" FLG DI LEVER & SPRING CHECK VALVE (TYP OF 3)
- ⑦ 3" DI DISMANTLING JOINT WITH 304 SS BOLTS & NUTS AND SS TIE RODS (TYP OF 3)
- ⑧ FLANGE PIPE SUPPORT (TYP OF 3) - SEE DETAIL ON M1.03
- ⑨ PRESSURE GAUGE (TYP OF 3) - SEE DETAIL ON I1.07
- ⑩ 4" DI RESTRAINT COUPLING (TYP OF 3)
- ⑪ 2" SCH 40 PVC P-TRAP
- ⑫ 2" SCH 40 PVC DRAIN
- ⑬ 6" ROUND FLOOR DRAIN WITH SS STRAINER AND 2" PIPE CONNECTION
- ⑭ COMPACTED VDOT No. 57 STONE
- ⑮ EPOXY COATING SYSTEM (INTERIOR)
- ⑯ COAL TAR EPOXY COATING SYSTEM (EXTERIOR)
- ⑰ 316 SS INTERMEDIATE GUIDE BRACKET FOR 2" BARS AND 4" PIPE
- ⑱ SS PIPE SUPPORT, 10' MAXIMUM SPACING, 2 MINIMUM PER DISCHARGE PIPE
- ⑲ 8" FLEXIBLE BOOT WITH SS BAND
- ⑳ NON-MERCURY FLOAT SWITCH ASSEMBLY - SEE DETAIL ON I1.07
- ㉑ STEP
- ㉒ IP 68 SUBMERSIBLE LEVEL TRANSMITTER WITH SS ANTI-CLOG ATTACHMENT AND CABLE STRAIN RELIEF CLAMP - SEE DETAIL ON I1.07
- ㉓ 72"x48" DOUBLE LEAF ALUMINUM ACCESS HATCH, H2O LOADING, LOCKABLE, WITH 316 STAINLESS STEEL HINGES, NON-CORROSIVE LOCKING BAR, STAINLESS STEEL SPRING FOR OPENING ASSISTANCE.
- ㉔ GROUT FILLET
- ㉕ 4" EMERGENCY PUMP CONNECTION - SEE DETAIL ON M1.03
- ㉖ 3"x3" DI BASE ELBOW LIFT-OUT SYSTEM, HYDROMATIC TL33HH, OR APPROVED EQUAL WITH 3/4" SS ANCHOR BOLTS, NUTS & WASHERS, 3/2" MIN. EMBEDMENT (TYP OF 3)
- ㉗ 7.50-HP SUBMERSIBLE GRINDER PUMP, RATED FOR 65 GPM @ 148-FT TDH (130-FT STAGE), HYDROMATIC MODEL HPGHHX250FD OR APPROVED EQUAL, 3" FLG DISCHARGE, 6.87" IMPELLER, AND 460V/3PHASE/60HZ SERVICE (TYP OF 2)
- ㉘ 54"x42" SINGLE LEAF ALUMINUM ACCESS HATCH, H2O LOADING, LOCKABLE, WITH 316 STAINLESS STEEL HINGES, NON-CORROSIVE LOCKING BAR, STAINLESS STEEL SPRING FOR OPENING ASSISTANCE.
- ㉙ 35 LF 316 SS 3/8" LIFTING CHAIN WITH 316 SS 1/2" SHACKLES ON BOTH ENDS
- ㉚ 2" NOMINAL DIAMETER GUIDE BARS, WELDED SCH 40 SS 316 PIPE
- ㉛ 4" FLG DI 90° BEND (TYP OF 3)
- ㉜ 316 SS UPPER GUIDE BAR BRACKET WITH SS ANCHOR BOLTS
- ㉝ 8" FLG DI GATE VALVE WITH OPERATING SHAFT AND SHAFT SUPPORTS AT 6' MAXIMUM SPACING AND 8"x8" FLG DI DROP TEE - SEE DETAIL ON M1.03
- ㉞ 4"x3" FLG ECCENTRIC REDUCER (TYP OF 3)
- ㉟ 4" PVC WET WELL VENT - SEE DETAIL ON M1.03
- ㊱ SEALED VALVE BOX
- ㊲ 4" DI MJ PLUG
- ㊳ 8" DI MJ PLUG
- ㊴ 8" DI BLIND FLANGE
- ㊵ 4"x3" FLG CONCENTRIC REDUCER (TYP OF 6)
- ㊶ SS BRACKET W/SS ANCHORS TO SUIT (TYP OF 2)



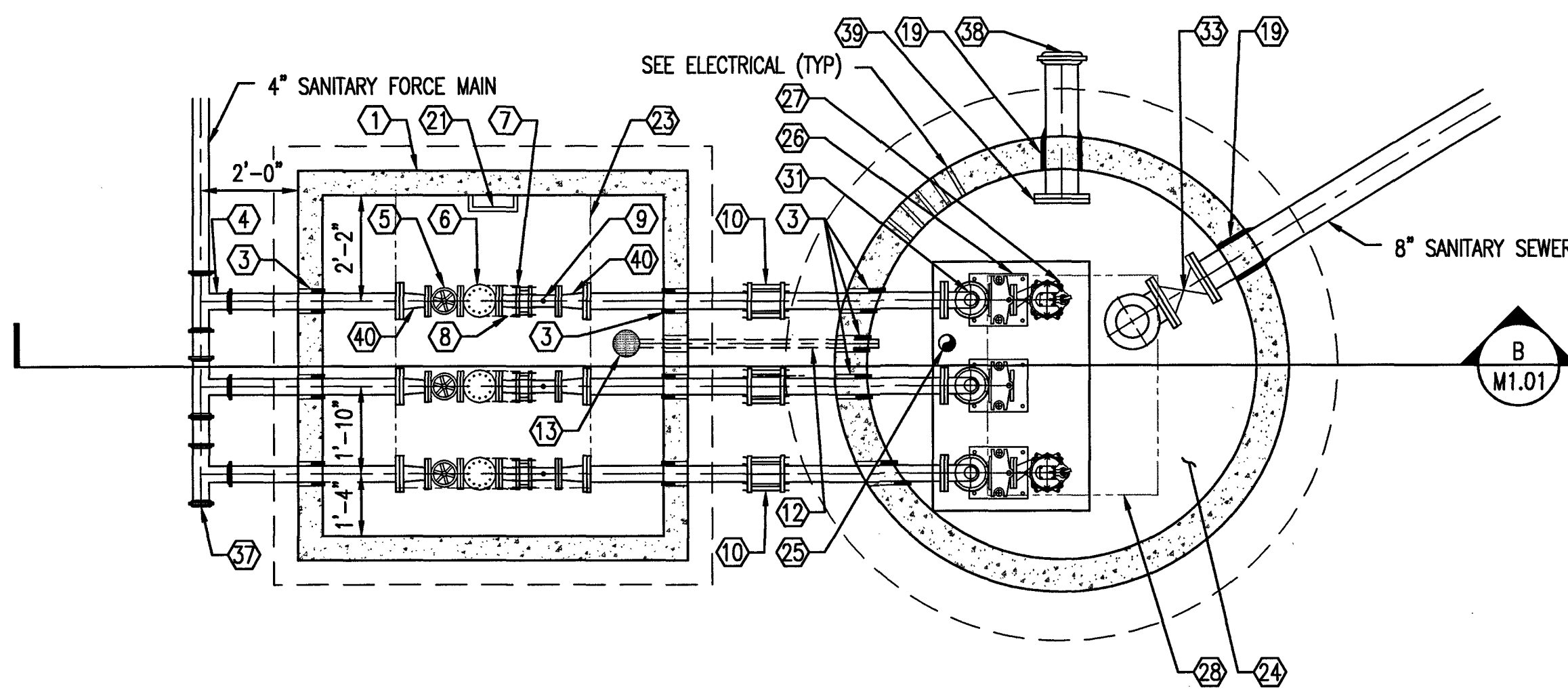
LS-1 SITE PLAN
M1.01 SCALE: 1" = 10'



SECTION B
M1.01 SCALE: 3/8" = 1'-0"
NOT ALL ITEMS SHOWN FOR CLARITY.



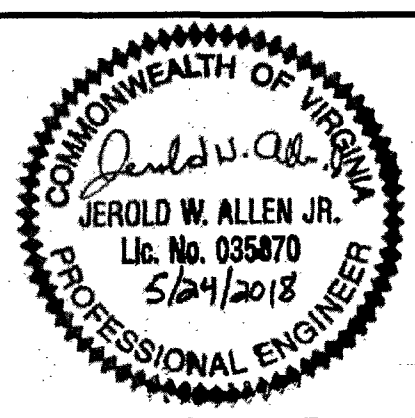
LS-1 WETWELL & VALVE VAULT UPPER PLAN
M1.01 SCALE: 3/8" = 1'-0"



LS-1 WETWELL & VALVE VAULT LOWER PLAN
M1.01 SCALE: 3/8" = 1'-0"

0 5' 10' 20' 0 1' 2' 3' 5'
SCALE: 1" = 10' SCALE: 3/8" = 1'-0"
AS-BUILT

REV	DATE	DESCRIPTION



WESTERN VIRGINIA WATER AUTHORITY
601 South Jefferson Street, Suite 300
Roanoke, Virginia 24011

DES: KNA
DRAWN: GSL
CHECK: JWA
DATE: 05/24/18
SCALE: AS SHOWN
HORIZ: N/A
VERT: N/A

SUMMIT VIEW BUSINESS PARK UTILITY IMPROVEMENTS
PHASE 1

LIFT STATION #1

DRAWING
M1.01
SHEET
56